



PATENT ABSTRACTS OF JAPAN

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(54) JACK HOUSING DETECTION DEVICE

stitute an even more positive jack housing detection device.

(57) Abstract:

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PROBLEM TO BE SOLVED: To provide a jack housing detection device for positively detecting the housed state of a jack.

SOLUTION: In a hydraulic jack 20 provided with a double acting cylinder 30 and a support means 24 abutting to support a driven part 23 of the jack in the housed position, this jack housing detection device is composed of an axial force detecting means 36 for detecting axial force acting upon the jack 20 supporting a vehicle body, and a judging means 7 judging the housed state of the jack 20 when the axial force detected by the detecting means 36 is within a specified axial force range at the time of housing the jack. With such constitution, after the jack is housed and a grounding plate 23 abuts the support member 24, axial force detected by the axial force detecting means 36 becomes the negative value, and when this value becomes the specified value, the judging means 7 judges the housed state of the jack. A rod position detecting means 37 for detecting the position of a cylinder rod is provided to con-

